Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application: LISTING OF CLAIMS:

- 1. Claims 1-24: Canceled
- 25. (Added) A compound having a formula:

wherein:

R is an alkyl group having 6-20 carbon atoms or an alkyl group having 6-20 carbon atoms interrupted by at least one aromatic ring;

Z is a radical selected from the group consisting of -CH₂-, -O-, -NH-, two of these radicals coupled together, and -CH=CH-;

Y is selected from -NH₂, O-CH₂-C₆H₅, and -CO-CO-O-CH₃; and n is 1 or 2.

- 26. (Added) The compound according to claim 25, wherein said alkyl group is a branched alkyl group.
- 27. (Added) The compound according to claim 25, wherein R is an alkyl group having 8, 10, or 12 carbon atoms.
- 28. (Added) The compound according to claim 25, wherein Z is not -CH₂- when R is an alkyl group having 12 carbon atoms, Y is -NH₂, and n is 2.
- 29. (Added) The compound according to claim 25, wherein Y is not -NH₂ when R is an alkyl group having 12 carbon atoms, Z is not -CH₂-, and n is 2.

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30. (Added) A method of treating an animal with a microbially-based infection, comprising administering an effective amount of a compound of formula I to the animal:

$$R-SO_n-Z-CO-Y$$
 I

wherein:

R is selected from the group consisting of alkyl groups having 6-20 carbon atoms, unsaturated hydrocarbon groups having 6-20 carbon atoms, or alkyl groups having 6-20 carbon atoms interrupted by at least one aromatic ring;

Z is a radical selected from the group consisting of - CH_2 -, - CH_2CH_2 -, -NH-NH-, -O-, -NH-, -O-, -NH-, -O-, -NH-, -O-, -NH-, -O-, -O-,

Y is selected from the group consisting of -NH $_2$, -O-CH $_2$ -C $_6$ H $_5$, -CO-CO-O-CH $_3$, and -O-CH $_3$; and

n is 1 or 2.

- 31. (Added) The method of claim 30, wherein R is alkyl groups having 6-20 carbon atoms interrupted by an aromatic ring to give ortho-, meta-, or para-disubstitution.
- 32. (Added) The method of claim 30, wherein the microbially-based infection is caused by a microbial cell selected from the group consisting of corynebacteria, nocardiae, rhodococcus, and mycobacteria.
 - 33. (Added) The method of claim 30, wherein R is a branched alkyl group.
 - 34. (Added) The method of claim 30, wherein R is an n-alkyl group.
 - 35. (Added) The method of claim 30, wherein n is 1.
 - 36. (Added) The method of claim 30, wherein n is 2.

- 37. (Added) The method of claim 30, wherein Z is -CH₂-.
- 38. (Added) The method of claim 30, wherein Y is -NH₂.
- 39. (Added) The method of claim 30, wherein: R is -(CH₂)₉-CH₃, n is 1, Z is -CH₂, and Y is -NH₂.
- 40. (Added) The method of claim 30, wherein: R is $-(CH_2)_7$ -CH₃, n is 1, Z is $-CH_2$, and Y is $-NH_2$.
- 41. (Added) The method of claim 30, wherein R is selected from the group consisting of alkyl groups having 6-10 carbon atoms, unsaturated hydrocarbon groups having 6-10 carbon atoms, or alkyl groups having 6-10 carbon atoms interrupted by at least one aromatic ring.
- 42. (Added) The method of claim 30, wherein: R is -(CH₂)₉-CH₃, n is 2, Z is -CH₂-, and Y is -NH₂.
- 43. (Added) The method of claim 30, wherein: R is $-(CH_2)_7$ -CH₃, n is 2, Z is $-CH_2$, and Y is $-NH_2$.
- 44. (Added) The method of claim 30, wherein the microbially-based infection is caused by mycobacteria selected from the group consisting of *Mycobacteria tuberculosis*, drug resistant *M. tuberculosis*, *M. avium intracellulare*, *M. leprae*, and *M. paratuberculosis*.
- 45. (Added) The method of claim 30, wherein the microbially-based infection is caused by pathogenic *Mycobacteria sp.*
- 46. (Added) The method of claim 30, wherein the animal is selected from the group consisting of ruminants and horses.

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47. (Added) The method of claim 46, wherein the ruminant is selected from the group consisting of sheep and cattle.

48. (Added) The method of claim 30, wherein the animal is human.